

Title (en)

LAUNDRY DETERGENT COMPOSITIONS COMPRISING POLYAMINES AND MID-CHAIN BRANCHED SURFACTANTS

Title (de)

POLYAMINE UND MITTELSEITENKETTIGE TENSIDE ENTHALTENDE WÄSCHEWASCHMITTELZUSAMMENSETZUNGEN

Title (fr)

COMPOSITION DE LESSIVES COMPORTANT DES POLYAMINES ET DES TENSIO-ACTIFS RAMIFIES EN MILIEU DE CHAÎNE

Publication

EP 1196525 B1 20090603 (EN)

Application

EP 00947338 A 20000713

Priority

- US 0019150 W 20000713
- US 14417099 P 19990716
- US 16028899 P 19991019

Abstract (en)

[origin: WO0105924A1] The present invention relates to laundry detergent compositions which provide enhance hydrophilic soil cleaning benefits, said compositions comprising a) from about 0.01 % by weight of a polyamine, said polyamine selected from the group consisting of: i) polyamines comprising two or more backbone nitrogens; ii) polyamines comprising one or more cationic backbone nitrogens; iii) polyamines comprising one or more alkoxyated backbone nitrogens; iv) polyamines comprising one or more cationic backbone nitrogens and one or more alkoxyated backbone nitrogens; and v) mixtures thereof; b) from about 0.01 % by weight, of a surfactant system comprising; i) from 0 % to 80 % by weight, of amid-chain branched alkyl sulfate surfactant; ii) from 0 % to 80 % by weight, of a mid-chain branched aryl sulfonate surfactant; iii) optionally from 0.01 % by weight, of a surfactant selected from the group consisting of anionic, nonionic, cationic, zwitterionic, ampholytic surfactants, and mixtures thereof; c) the balance carriers and other adjunct ingredients.

IPC 8 full level

C11D 3/37 (2006.01); **D06L 1/12** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/37** (2006.01); **C11D 1/65** (2006.01); **C11D 1/83** (2006.01); **C11D 1/94** (2006.01); **C11D 3/00** (2006.01); **C11D 3/38** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP)

C11D 1/146 (2013.01); **C11D 1/37** (2013.01); **C11D 1/65** (2013.01); **C11D 1/83** (2013.01); **C11D 1/94** (2013.01); **C11D 3/0036** (2013.01); **C11D 3/3723** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01)

Cited by

FR3045344A1; WO2017108696A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0105924 A1 20010125; AT E432971 T1 20090615; AU 6096800 A 20010205; BR 0012507 A 20020402; BR 0012507 B1 20120626; CA 2378903 A1 20010125; CA 2378903 C 20100209; CN 100529040 C 20090819; CN 1374997 A 20021016; DE 60042330 D1 20090716; EP 1196525 A1 20020417; EP 1196525 B1 20090603; JP 2003505536 A 20030212; JP 5085000 B2 20121128; MX PA02000634 A 20020702

DOCDB simple family (application)

US 0019150 W 20000713; AT 00947338 T 20000713; AU 6096800 A 20000713; BR 0012507 A 20000713; CA 2378903 A 20000713; CN 00812589 A 20000713; DE 60042330 T 20000713; EP 00947338 A 20000713; JP 2001511140 A 20000713; MX PA02000634 A 20000713